

Appl. No. 09/821,539
Amdt. Dated March 30, 2004
Reply to Office Action of December 30, 2003

Attorney Docket No. 81880.0096
Customer No.: 26021

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)

2. (Previously presented): An optical device module comprising:

an optical device;

an optical fiber, an end portion of which is optically coupled to the optical device;

a package containing the optical device and the optical fiber; and

an insertion tube fixed through the wall of the package, the optical fiber extending through the insertion tube out of the package,

wherein the end portion of the optical fiber is offset with respect to a fixed portion of the optical fiber, which fixed portion is below the end portion and which fixed portion is sealed within the insertion tube, to bend the optical fiber between the end portion and the fixed portion of the optical fiber,

wherein an axis of the fixed portion is parallel to an axis of the end portion, and

wherein a ring member having a through hole for inserting the optical fiber is inserted co-axially within the insertion tube and sealed with the insertion tube by soldering, through the ring member.

3. (Previously presented): An optical device module comprising:

an optical device;

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an optical fiber, an end portion of which is optically coupled to the optical device;

a package containing the optical device and the optical fiber; and

an insertion tube fixed through the wall of the package, the optical fiber extending through the insertion tube out of the package,

wherein the end portion of the optical fiber is offset with respect to a fixed portion of the optical fiber, which fixed portion is below the end portion and which fixed portion is sealed within the insertion tube, to bend the optical fiber between the end portion and the fixed portion of the optical fiber,

wherein an axis of the fixed portion is parallel to an axis of the end portion, and

wherein the end portion of the optical fiber is fixed through a ferrule which is fixed to a ferrule holder capable of being deformed plastically.

4. (Canceled)

5. (Currently amended): The optical device module according to claim [[1]] 2, wherein the optical device is a semiconductor laser.

6. (Previously presented): The optical device module according to claim 2, wherein the ring member is made of Kovar material.

7. (Previously presented): The optical device module according to claim 2, wherein the ring member has a thickness of 0.7 mm.

8. (Previously presented): The optical device module according to claim 2, further comprising a thermoelectric cooling element.

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9. (Previously presented): The optical device module according to claim 3, wherein the end portion of the optical fiber is soldered to the ferrule by Au-Sn alloy solder.

10. (Previously presented): The optical device module according to claim 3, wherein the ferrule holder is bent into a U shape.

11. (Previously presented): The optical device module according to claim 3, wherein the ferrule holder is made of a Kovar plate.

12. (Previously presented): The optical device module according to claim 3, wherein the ferrule holder has a thickness of 0.15 mm.

13. (Previously presented): The optical device module according to claim 3, further comprising a thermoelectric cooling element.

14. (New): The optical device module according to claim 3, wherein the optical device is a semiconductor laser.